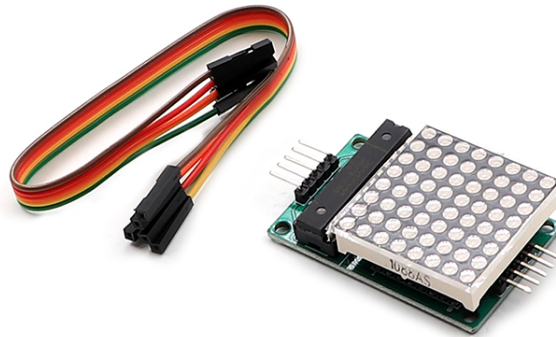


## *Arduino Dot Matrix Red 8X8 P4*



### **Description:**

MAX7219 is an integrated serial input / output common-cathode display drivers, which connect the microprocessor 7 - segment digital LED display with 8 digits, bar graph can also be connected monitor or 64 separate LED.

On type B BCD encoder includes an on-chip, multi-channel scanning loop, segment word drive, but also a 8x8 static RAM for storing each data. Only one external register is used to set the segment current for each LED.

A convenient four-wire serial interface can connect all common microprocessor. Each data can be addressed in the update does not overwrite all of the display. MAX7219 also allows the user to select each of the data code or not coded.

### **Specifications:**

1. Single module can drive a common cathode 8 x 8 dot matrix
2. Module Operating voltage: 5V
3. Module size: 5 cm X 3.2 cm wide X 1.5 cm high
4. Holes with four screws, diameter 3mm, can be fixed by using our M3 studs
5. Modules with input and output interfaces, support for cascading multiple modules

### **Wiring:**

1. Is a block left input port, an output port on the right?

2. When control of a single module, simply input port receiving CPU

When cascading multiple modules 3, output and input termination CPU, the input output termination module of the first two modules of the first one, the first two modules of terminating the input of the first three modules, and so on. ..

To 51 single examples:

VCC → 5V

GND → GND

DIN → P22

CS → P21

CLK → P20